

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-0019001	Application No. 10/003,917
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Joseph A. Zupanick et al.	
		Filing Date November 1, 2001	Group Art Unit 3672
(37 CFR §1.98(b))			

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	B1							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C1	PART 1 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C2	PART 2 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C3	PART 3 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C4	PART 4 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C5	PART 5 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C6	PART 6 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C7	PART 7 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C8	PART 8 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C9	PART 9 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.
	C10	PART 10 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 25 pages.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-0019001	Application No. 10/003,917
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Joseph A. Zupanick et al.	
		Filing Date November 1, 2001	Group Art Unit 3672
(37 CFR §1.98(b))			

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C11	PART 11 -- Production and performance data for wells of the Pinnacle Mine located in Pineville, Wyoming County, West Virginia and other related documents for the period September 1997 through November 2000, 8 pages.
	C12	"Well Lifetime Gas Production" logs from West Virginia Department of Environmental Protection for wells DW-6, DW-7, DW-8B, DW-9, DW-12, 8E-3, 8E-1, 8F-1, 8E-4, DW-14, 8F-3, 8F-2, 8F-4, 8G-1, 8FG-3, 8G-2, 8G-4(93-A), 8HI-1, 8FG-1.5, 8K-1, 8HI-5, 8HI-2, 8HI-3, 8HI-4, 8K-2A, 8K-3a, 8M-2, 8M-1, 8LM-0.5, 8M-3, and 8K4.
	C13	Communication of Partial European Search Report (1 page), Partial European Search Report (2 pages), Lack of Unity of Invention Sheet B (2 pages) and Annex to the European Search Report (1 page) for Application Number EP 07 02 1409 dated August 6, 2008.
	C14	T. Beims and C. Strunk, "Capital, Technology Suppliers Pulling New Tricks From The Hat As Industry Hits High Gear," The American Oil & Gas Reporter, March 1997 (8 pages).
	C15	B. Campbell, "Directional Driller Discovers Future in Technology," The American Oil & Gas Reporter, July 1991 (4 pages).
	C16	"Economic Justification And Modeling of Multilateral Wells," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer, International, 1997 (5 pages).
	C17	R. Gardes, "New Radial Drilling Technology Applied To Recovering Cores," The American Oil & Gas Reporter, April 1993 (5 pages).
	C18	Gardes Energy Services, Inc., Map of Drilled Well Locations (1 page).
	C19	"Gardes Drilling redefines improved recovery," Improved Recovery Week, Vol. 1, No. 21, July 1992 (3 pages).
	C20	R. Gardes, "Micro-Annulus Underbalanced Drilling of Multilaterals," 4 th Annual North American Conference on Coiled Tubing, February 5-6, 1996 (23 pages).
	C21	R. Gardes, "The Evolution of Horizontal Multi-Lateral Underbalanced Drilling Technology," Society of Independent Professional Earth Scientists Newsletter, Vol. 38, August 2000 (3 pages).
	C22	R. Gardes, "Underbalanced Drilling of Multilateral Horizontal Wells," 8 th Annual International Conference on Horizontal Well Technologies & Applications, September 9-11, 1996 (7 pages).
	C23	"Lafayette firm set to do business with Soviet Union," Advertiser, Lafayette, La, August 1990 (1 page).
	C24	L. LeBlanc, "Beyond extended-read, horizontal drilling?," Drilling & Production, May 1992 (1 page).
	C25	"Local firm signs contract to develop Soviet fields," The Daily Advertiser, December (1 page).
	C26	"History Repeats Itself: Multilateral Technology Development Parallels That of Horizontal Wells," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer International, (5 pages).
	C27	"New Enabling Technologies Spur Multilateral Use," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer International, (5 pages).
	C28	"New tools, techniques reduce high-angle drilling costs," Offshore, November 1989 (3 pages).
	C29	R. Gardes, "Micro-annulus under-balanced drilling of multilateral wells," Offshore, May 1996 (4 pages).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-0019001	Application No. 10/003,917
		Applicant Joseph A. Zupanick et al.	
		Filing Date November 1, 2001	Group Art Unit 3672

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C30	"Multiple directional wells from single borehole developed," Offshore, reprint from July 1989 (4 pages).
	C31	"Soviet joint venture pace continues to sizzle," Oil & Gas Journal, week of June 25, 1990 (3 pages).
	C32	"Operators Team Up To Climb Learning Curve Together," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer International (4 pages).
	C33	"Radial Coring Reduces Sample Contamination, Evaluates Old Wells," Hart's Petroleum Engineer International, June 1994 (4 pages).
	C34	"The Fate of Award Winners Is A Credit To Their Judges," Hart's Petroleum Engineer International, April 1996 (3 pages).
	C35	S. R. Reeves and S. H. Stevens, "CO ₂ Sequestration," World Coal, December 2000 (4 pages).
	C36	"Successful Completions Raise Operators' Confidence," in "Multilateral Technology: Taking Horizontal Wells to the Next Level" – a supplement to Hart's Petroleum Engineer International (5 pages).
	C37	Extended European Search Report, Application No. 07021409.3 – 2315 dated October 30, 2008 (8 pages).
	C38	Zupanick, U.S. Patent Application, entitled, "Method and System for Accessing Subterranean Deposits From the Surface and Tools Therefor," S/N 12/313,652, November 21, 2008.

Examiner Signature <u>/John Kreck/ (09/09/2009)</u>	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JK/